

**OIL ACTIVATED FUEL  
INJECTOR CONTROL WITH  
DELAY PLUNGER**

**ABSTRACT OF THE DISCLOSURE**

5           An oil activated fuel injector which provides a pilot quantity of fuel prior to the  
main fuel injection event. The oil activated fuel injector includes a throttle which  
provides fluid communication between the high pressure chamber and a fuel bore which  
leads to the nozzle of the oil activated fuel injector. The pilot quantity of fuel flows  
through the throttle and into the fuel bore during a pre stroke of the plunger. The oil  
10   activated fuel injector reduces engine emissions and noise, and eliminates the need for  
additional working fluid to be provided therein in order to provide a pilot quantity of fuel.

09033040-10201  
T02207-0403660